

In The Specification:

IN THE ABSTRACT: Please replace the present abstract with the following:

The invention relates to a method for the registration of a series of at least three temporally successively acquired images ( $I_1$ - $I_n$ ) of an object. Individual images ( $I_2$ - $I_n$ ) to be registered are transformed into registered images ( $I_2'$ - $I_n'$ ) using an individual mapping rule ( $T_2$ - $T_n$ ). A similarity measure ( $M$ ) is used to determine a mapping rule ( $T_2$ - $T_n$ ), where to achieve a higher registration accuracy, a common similarity measure ( $M$ ) of all images ( $I_1$ - $I_n$ ) in order to determine the mapping rules ( $T_2$ - $T_n$ ) for all images is implemented. The invention also relates to a corresponding registration device.